

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: FITFLEX**  
**Page 1 of 2 Pages**

**Issue: 6**  
**Issue Date: 2/13/2013**  
**Effective Date: 3/1/2013**

**A. Construction**

- |                    |                           |
|--------------------|---------------------------|
| 1) Tubing Type     | Heat Shrinkable Tubing    |
| 2) Tubing Material | Irradiated Silicon Rubber |
| 3) Color(s)        | SLATE                     |

Part Number	Minimum Supplied ID (In)	Maximum Recovered ID (In)	Nominal Recovered Wall Thickness (In)
FIT-FLEX-2	0.118	0.071	0.055
FIT-FLEX-3	0.198	0.114	0.055
FIT-FLEX-5	0.307	0.173	0.055
FIT-FLEX-6	0.394	0.244	0.055
FIT-FLEX-9	0.591	0.354	0.059
FIT-FLEX-12	0.787	0.492	0.079
FIT-FLEX-20	1.142	0.748	0.079

**B. Applicable Specifications**

- |       |              |                              |
|-------|--------------|------------------------------|
| 1) UL | VW-1         |                              |
|       | Standard 224 | 200°C / 600 V <sub>RMS</sub> |

**C. Environmental Compliance**

- 1) RoHS Directive (2011/65/EU):  
All materials used in the manufacture of this part meet the requirements of European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for [RoHS C of C](#).
- 2) REACH Regulation (EC 1907/2006):  
This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see [Alpha's REACH SVHC Declaration](#).
- 3) California Proposition 65:  
The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

**D. Physical & Mechanical Properties**

- |                              |                       |               |
|------------------------------|-----------------------|---------------|
| 1) Temperature Range         | -50 to 200°C          |               |
| 2) Shrink Ratio              | Approximately 1.7:1   |               |
| 3) Full Recovery Temperature | 135°C                 |               |
| 4) Tensile Strength          | 870psi, Min           | ASTM D638     |
| 5) Elongation                | 350%, Min             | ASTM D638     |
| 6) Longitudinal Change       | -15%                  | AMS-DTL-23053 |
| 7) Specific Gravity          | 1.20, Max             | ASTM D792     |
| 8) Shelf Life                | 25 Years @ 18 to 35°C |               |

**E. Electrical Properties**

- |                        |                                |           |
|------------------------|--------------------------------|-----------|
| 1) Dielectric Strength | 200 V/mil, Min                 | ASTM D876 |
| 2) Volume Resistivity  | 1x10 <sup>12</sup> ohm-cm, Min | ASTM D876 |
| 3) Dielectric Constant | 3.2                            | IEC 250   |

**F. Chemical Properties**

- |                      |            |               |
|----------------------|------------|---------------|
| 1) Water Absorption  | 1.00%, Max | ASTM D570     |
| 2) Fungus Resistance | Pass       | AMS-DTL-23053 |
| 3) Halogen Free      | No         |               |
| 4) Lead Free         | Yes        |               |

**G. Other**

- 1) Packaging

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

**ALPHA WIRE  
CUSTOMER PRODUCT SPECIFICATION**

**Part Number: FITFLEX**  
**Page 2 of 2 Pages**

**Issue: 6**  
**Issue Date: 2/13/2013**  
**Effective Date: 3/1/2013**

- a) FIT-FLEX-2  
100 FT, 25 FT
- b) FIT-FLEX-3  
100 FT, 25 FT
- c) FIT-FLEX-5  
100 FT, 25 FT
- d) FIT-FLEX-6  
100 FT, 25 FT
- e) FIT-FLEX-9  
100 FT, 25 FT
- f) FIT-FLEX-12  
100 FT
- g) FIT-FLEX-20  
100 FT, 25 FT

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.